

Global Refrigeration Oil Market Size study, by Type (Synthetic oil, Mineral oil) by Application (Refrigerators & Freezers, Air Conditioner, Automotive AC System, Aftermarket) and Regional Forecasts 2022-2032

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Abstracts

Global Refrigeration Oil Market is valued at approximately USD 1210 million in 2023 and is anticipated to grow with a healthy growth rate of more than 5.53% over the forecast period 2024-2032. Refrigeration oil is a specific lubricant that is necessary for the compressors in air conditioning and refrigeration systems to run smoothly. It guarantees adequate lubrication, lowers friction, and keeps stability at different temperatures. It stops chemical reactions and moisture absorption that might harm the system and is compatible with some refrigerants. For older refrigerants, there are mineral oils, while for more contemporary uses, there are synthetic oils including POE, PAG, AB, and PVE. . The rise in shift towards eco-friendly refrigerants is a key trend that is supporting the growth of the Global Refrigeration Oil Market at a substantial rate. There is a significant trend towards using environment friendly refrigerants such as HFCs (hydrofluorocarbons), HFOs (hydrofluoroolefins), and natural refrigerants such as CO2 and ammonia. This shift is driving the demand for refrigeration oils compatible with these new refrigerants.

The increasing demand for innovative electronics like refrigerators, air conditioners, and automotive AC systems is attributing to the demand of the refrigeration oil across the globe. This surge in electronics fuels technological advancements and product innovation, thereby boosting the requirement for refrigeration oil. Additionally, the soaring demand for frozen food, particularly in countries such as China and the U.S., is fueling the necessity for efficient refrigeration systems and oils. This scenario creates an opportunity for manufacturers and suppliers in the market. Along with this, rapid

urbanization, coupled with rising disposable incomes, are driving the demand for household appliances like refrigerators and air conditioners, thus fueling the demand for refrigeration oil. Moreover, the rise in advancements in compressor technology and the development of eco-friendly refrigerants have led to the creation of new and improved refrigeration systems, driving the need for compatible refrigeration oils. However, stringent regulations to limit use of fluorocarbon refrigerants, along with the environmental factors associated with the use of a refrigeration system is expected to stifle market growth during the forecast period of 2024-2032.

The key regions considered for the global Refrigeration Oil Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue. Whereas, the market in Asia Pacific is expected to grow at the fastest rate over the forecast period owing to the rapid growth of the automotive industry in the region. Also, the growing emphasis on comfort and convenience has significantly boosted product demand. Consequently, air conditioning systems have become standard in vehicles, necessitating the use of high-quality refrigeration oil for optimal efficiency. According to the International Organization of Motor Vehicle Manufacturers (OICA), India's automotive production surged by 24% in 2022, reaching 5,458,857 vehicles, an increase from 4,399,112 vehicles in 2021.

Major market player included in this report are:

INEOS Group Limited

Idemitsu Kosan Co., Ltd.

Exxon Mobil Corporation

Shell plc

TotalEnergies SE

China Petroleum & Chemical Corporation -

FUCHS Petrolub SE

PETRONAS Lubricants International Sdn Bhd

Johnson Controls International plc

BASF SE

The detailed segments and sub-segment of the market are explained below:

By Type

Synthetic oil

Mineral oil

By Application

Refrigerators & Freezers

Air Conditioner
Automotive AC System
Aftermarket
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.
Analysis of key business strategies and recommendations on future market approach.
Analysis of competitive structure of the market.
Demand side and supply side analysis of the market

Contents

CHAPTER 1. GLOBAL REFRIGERATION OIL MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Global Refrigeration Oil Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Type
 - 2.3.2. By Application
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. GLOBAL REFRIGERATION OIL MARKET DYNAMICS

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. GLOBAL REFRIGERATION OIL MARKET: INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economic
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL REFRIGERATION OIL MARKET SIZE & FORECASTS BY TYPE 2022-2032

- 5.1. Synthetic oil
- 5.2. Mineral oil

CHAPTER 6. GLOBAL REFRIGERATION OIL MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 6.1. Refrigerators & Freezers
- 6.2. Air Conditioner
- 6.3. Automotive AC System
- 6.4. Aftermarket

CHAPTER 7. GLOBAL REFRIGERATION OIL MARKET SIZE & FORECASTS BY REGION 2022-2032

- 7.1. North America Refrigeration Oil Market
 - 7.1.1. U.S. Refrigeration Oil Market
 - 7.1.1.1. Type breakdown size & forecasts, 2022-2032
 - 7.1.1.2. Application breakdown size & forecasts, 2022-2032
 - 7.1.2. Canada Refrigeration Oil Market
- 7.2. Europe Refrigeration Oil Market
 - 7.2.1. U.K. Refrigeration Oil Market
 - 7.2.2. Germany Refrigeration Oil Market
 - 7.2.3. France Refrigeration Oil Market
 - 7.2.4. Spain Refrigeration Oil Market
 - 7.2.5. Italy Refrigeration Oil Market
 - 7.2.6. Rest of Europe Refrigeration Oil Market
- 7.3. Asia-Pacific Refrigeration Oil Market
 - 7.3.1. China Refrigeration Oil Market
 - 7.3.2. India Refrigeration Oil Market
 - 7.3.3. Japan Refrigeration Oil Market
 - 7.3.4. Australia Refrigeration Oil Market
 - 7.3.5. South Korea Refrigeration Oil Market
 - 7.3.6. Rest of Asia Pacific Refrigeration Oil Market
- 7.4. Latin America Refrigeration Oil Market
 - 7.4.1. Brazil Refrigeration Oil Market
 - 7.4.2. Mexico Refrigeration Oil Market
 - 7.4.3. Rest of Latin America Refrigeration Oil Market
- 7.5. Middle East & Africa Refrigeration Oil Market
 - 7.5.1. Saudi Arabia Refrigeration Oil Market
 - 7.5.2. South Africa Refrigeration Oil Market
 - 7.5.3. Rest of Middle East & Africa Refrigeration Oil Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. INEOS Group Limited

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Market Strategies

8.3.2. Idemitsu Kosan Co., Ltd.

8.3.3. Exxon Mobil Corporation

8.3.4. Shell plc

8.3.5. TotalEnergies SE

8.3.6. China Petroleum & Chemical Corporation -

8.3.7. FUCHS Petrolub SE

8.3.8. PETRONAS Lubricants International Sdn Bhd

8.3.9. Johnson Controls International plc

8.3.10. BASF SE

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. Global Refrigeration Oil Market, report scope
- TABLE 2. Global Refrigeration Oil Market estimates & forecasts by Region 2022-2032 (USD Million)
- TABLE 3. Global Refrigeration Oil Market estimates & forecasts by Type 2022-2032 (USD Million)
- TABLE 4. Global Refrigeration Oil Market estimates & forecasts by Application 2022-2032 (USD Million)
- TABLE 5. Global Refrigeration Oil Market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 6. Global Refrigeration Oil Market by region, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 7. Global Refrigeration Oil Market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 8. Global Refrigeration Oil Market by region, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 9. Global Refrigeration Oil Market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 10. Global Refrigeration Oil Market by region, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 11. Global Refrigeration Oil Market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 12. Global Refrigeration Oil Market by region, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 13. Global Refrigeration Oil Market by segment, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 14. Global Refrigeration Oil Market by region, estimates & forecasts, 2022-2032 (USD Million)
- TABLE 15. U.S. Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)
- TABLE 16. U.S. Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)
- TABLE 17. U.S. Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)
- TABLE 18. Canada Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 19. Canada Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 20. Canada Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 21. UK Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 22. UK Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 23. UK Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 24. Germany Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 25. Germany Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 26. Germany Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 27. France Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 28. France Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 29. France Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 30. Italy Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 31. Italy Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 32. Italy Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 33. Spain Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 34. Spain Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 35. Spain Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 36. RoE Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 37. RoE Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 38. RoE Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 39. China Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 40. China Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 41. China Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 42. India Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 43. India Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 44. India Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 45. Japan Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 46. Japan Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 47. Japan Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 48. Australia Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 49. Australia Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 50. Australia Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 51. South Korea Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 52. South Korea Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 53. South Korea Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 54.

TABLE 55. RoAPAC Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 56. RoAPAC Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 57. RoAPAC Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 58. Brazil Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 59. Brazil Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 60. Brazil Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 61. Mexico Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 62. Mexico Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 63. Mexico Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 64. RoLA Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 65. RoLA Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 66. RoLA Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 67. Saudi Arabia Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 68. Saudi Arabia Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 69. Saudi Arabia Refrigeration Oil Market estimates & forecasts, 2022-2032 (USD Million)

TABLE 70. South Africa Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 71.

TABLE 72. South Africa Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 73. South Africa Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 74. RoMEA Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 75. RoMEA Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 76. RoMEA Refrigeration Oil Market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 77. List of secondary sources, used in the study of Global Refrigeration Oil Market.

TABLE 78. List of primary sources, used in the study of Global Refrigeration Oil Market.

TABLE 79. Years considered for the study.

TABLE 80. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Refrigeration Oil Market, research methodology
- FIG 2. Global Refrigeration Oil Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Refrigeration Oil Market, key trends 2023
- FIG 5. Global Refrigeration Oil Market, growth prospects 2022-2032
- FIG 6. Global Refrigeration Oil Market, porters 5 force model
- FIG 7. Global Refrigeration Oil Market, pestel analysis
- FIG 8. Global Refrigeration Oil Market, value chain analysis
- FIG 9. Global Refrigeration Oil Market by segment, 2022 & 2032 (USD Million)
- FIG 10. Global Refrigeration Oil Market by segment, 2022 & 2032 (USD Million)
- FIG 11. Global Refrigeration Oil Market by segment, 2022 & 2032 (USD Million)
- FIG 12. Global Refrigeration Oil Market by segment, 2022 & 2032 (USD Million)
- FIG 13. Global Refrigeration Oil Market by segment, 2022 & 2032 (USD Million)
- FIG 14. Global Refrigeration Oil Market, regional snapshot 2022 & 2032
- FIG 15. North America Refrigeration Oil Market 2022 & 2032 (USD Million)
- FIG 16. Europe Refrigeration Oil Market 2022 & 2032 (USD Million)
- FIG 17. Asia pacific Refrigeration Oil Market 2022 & 2032 (USD Million)
- FIG 18. Latin America Refrigeration Oil Market 2022 & 2032 (USD Million)
- FIG 19. Middle East & Africa Refrigeration Oil Market 2022 & 2032 (USD Million)
- FIG 20. Global Refrigeration Oil Market, company market share analysis (2023)

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